

WHAT IS CLAIMED IS:

1. A sensing system comprising:

a plurality of sensor units;

a plurality of selection means arranged in

5 correspondence with said plurality of sensor units
respectively, for selecting the corresponding sensor
units; and

control means for setting a sensor unit selected
by said selection means in a ready state and an
10 unselected sensor unit in a sleep state.

2. A sensing system comprising:

a plurality of sensor units;

a plurality of selection means arranged in

15 correspondence with said plurality of sensor units
respectively, for selecting the corresponding sensor
units; and

control means for powering on a sensor unit
selected by said selection means and powering off an
20 unselected sensor unit.

3. A system according to claim 1, wherein said
plurality of selection means are connected to said
plurality of sensor units corresponding thereto,
25 respectively.

4. A system according to claim 1, further comprising electromagnetic wave generation means for irradiating said sensor unit with an electromagnetic wave, and wherein a generation time of the
5 electromagnetic wave is controlled in accordance with a dose.

5. A system according to claim 4, wherein each of said sensor units comprises a phototimer which outputs
10 a signal for turning off generation of the electromagnetic wave to said electromagnetic wave generation means in accordance with a signal amount generated in said sensor.

15 6. A system according to claim 5, wherein said control means comprises means for selecting said phototimer of the selected sensor unit.

7. A system according to claim 1, wherein said
20 control means comprises means for switching between an enable state and a disable state of selection by said selection means.

8. A system according to claim 2, wherein said
25 plurality of selection means are connected to said plurality of sensor units corresponding thereto, respectively.

9. A system according to claim 2, further comprising electromagnetic wave generation means for irradiating said sensor unit with an electromagnetic wave, and wherein a generation time of the
5 electromagnetic wave is controlled in accordance with a dose.

10. A system according to claim 9, wherein each of said sensor units comprises a phototimer which outputs
10 a signal for turning off generation of the electromagnetic wave to said electromagnetic wave generation means in accordance with a signal amount generated in said sensor.

15 11. A system according to claim 10, wherein said control means comprises means for selecting said phototimer of the selected sensor unit.

20 12. A system according to claim 2, wherein said control means comprises means for switching between an enable state and a disable state of selection by said selection means.